



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Indra LAKSONO

Title:

ADAPTIVE BANDWIDTH FOOTPRINT MATCHING FOR MULTIPLE

COMPRESSED VIDEO STREAMS IN A FIXED BANDWIDTH

NETWORK

Application No.: 09/823,646

Filed:

03/30/2001

Examiner:

CZEKAJ, David J.

Group Art Unit: 2613

Atty. Docket No.: VIXS.0100020

(1459-VIXS002)

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INFORMATION DISCLOSURE STATEMENT TRANSMITTAL

Dear Sir:

Pursuant to 37 C.F.R. § 1.56, § 1.97 and § 1.98, the undersigned brings the patents, publications, applications or other information identified in the attached:

Form(s) PTO/SB/08A and/or PTO/SB/08B or PTO/1449

 \boxtimes Fee Transmittal

to the Examiner's attention in the above-identified application. Citation of such information shall not be construed as:

- an admission that the information necessarily is, or corresponds to, prior art with 1. respect to the instant invention;
- a representation that a search has been made, other than as described below; or 2.
- an admission that the information cited herein is, or is considered to be material 3. to patentability as defined in § 1.56(b).

For each item of information listed that is not in the English language, the undersigned has provided a concise explanation of the relevance, such as through (i) an English language

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abstract, (ii) an English language equivalent application, (iii) reference to discussion in the application, or (iv) if cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action that indicates the degree of relevance found by the foreign office.

STATEMENT UNDER 37 C.F.R. § 1.704(d)

May 2	If the a	above-identified application is an original application filed on or after				
	each item of information contained in this Information Disclosure Statement cited in a communication from a foreign patent office in a counterpart applicant this communication was not received by any individual designated in § 1.56(c) more than thirty days prior to the filing of this Information Disclosure Statement.					
		FEES DUE				
	This I	nformation Disclosure Statement is being filed:				
		within three months of the filing date of a national application or within three months of entry of the national stage as set forth in § 1.491 in an international application. Therefore, no fee is required.				
		before the mailing date of a first Office action on the merits or before the mailing date of a first Office action after the filing of a request for continued examination under § 1.114. Therefore, no fee is believed required.				
		during the period specified in § 1.97(c). Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application not more than three months prior to the filing of this Information Disclosure Statement.				
	\boxtimes	during the period specified in § 1.97(c). Accordingly, the fee set forth in § 1.17(p) is required and provided as shown on the attached Fee Transmittal.				
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Should any PTO fees be necessary for entry of this Information Disclosure Statement, the undersigned hereby authorizes the Commissioner to charge Deposit Account <u>50-1835</u>.

Respectfully submitted,

8-19-05

Date

J. Gustav Larson, Reg. No. 39,263

Attorney for Applicant(s)

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PTO/SB/17 (12-04)
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Indra LAKSONO

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tion Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449/PTO **Application Number** 09/823,646 Filing Date 03/30/2001

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

Examiner Name CZEKAJ, David J. Attorney Docket Number VIXS.0100020 (1459-VIXS002

Art Unit

First Named Inventor

			U. S. PATEN1	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (F known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	^{US-} 5,027,203	06-25-1991	Samad, et al.	
	AB	^{US-} 5,115,812	05-26-1992	Sano, et al.	
	AC	^{US-} 5,475,434	12-12-1995	Kim	
	AD	^{US-} 5,602,589	02-11-1997	Vishwanath, et al.	
	AE	^{US-} 5,635,985	06-03-1997	Boyce, et al.	
	AF	^{US-} 5,644,361	07-01-1997	Ran, et al.	
	AG	^{US-} 5,652,749	07-29-1997	Davenport, et al.	
	АН	US- 5,732,391	03-24-1998	Fiocca	
	Al	US- 5,737,020	04-07-1998	Hall, et al.	
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Examiner Initials*	Cite No.1		· · · · · · · · · · · · · · · · · · ·	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY	.,,,,	Or Relevant Figures Appear	T	
	AT	EP 0661826 A2	07-05-1995	IBM			
	AU	EP 0739138 A2	10-23-1996	Kalmanek, et al.			
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	AX	EP 0896300 B1	02-10-1999	Matsushita Electric			
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Sheet 2

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known **Application Number** 09/823,646 Filing Date 03/30/2001 First Named Inventor Indra LAKSONO Art Unit 2613 **Examiner Name** CZEKAJ, David J. VIXS.0100020 (1459-VIXS002) **Attorney Docket Number**

			U.S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2 (F known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AZ	^{US-} 6,167,084	12-26-2000	Wang, et al.	
	ВА	^{US-} 6,182,203	01-30-2001	Simar, Jr., et al.	
	BB	^{US-} 6,215,821	04-10-2001	Chen	
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	BG	US- 6,300,973	10-09-2001	Feder, et al.	
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	BJ	^{US-} 6,323,904	11-27-2001	Knee	
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Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
	<u> </u>	Country Code ³ Number ⁴ Kind Code ⁵ (<i>if known</i>)			Or Relevant Figures Appear	T ⁶
	BS	EP 0955607 A2	11-10-1999	Sarnoff Corp.		
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	BX	EP 1087625 A2	03-28-2001	Sostawa et al.		

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Complete if Known **Application Number** 09/823,646 Filing Date 03/30/2001 First Named Inventor Indra LAKSONO Art Unit 2613 **Examiner Name** CZEKAJ, David J. VIXS.0100020 (1459-VIXS002) Attorney Docket Number

=			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (f known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
-	BY	^{US-} 6,438,168	08-20-2002	Arye	
<u> </u>	BZ	^{US-} 2001/0026591 A1	10-04-2001	Keren, et al.	
	CA	^{US-} 2002/110193 A1	08-15-2002	Kyoon, et al.	
	СВ	^{US-} 2002/138259 A1	09-26-2002	Kawahara	
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	CD	^{US-} 2002/106022 A1	08-08-2002	Takahashi, et al.	
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	FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear				
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(Use as many s	neets as n	- · · ·	Examiner Name	CZEKAJ, David J.		
Sheet 4	of	8	Attorney Docket Number	VIXS.0100020 (1459-VIXS002)		

0		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	СР	YU, Donghoom, et al., "Fast Motion Estimation for Shape Coding in MPEG-4;" IEEE Transactions on Circuits and Systems for Video Technology, Vol. 13, No. 4, 2003 IEEE, April 2003, pp. 358-363	
¢	cq	PYUN, Jae-Young, "QoS Provisioning for Video Streaming Over IEEE 802.11 Wireless LAN," (abridged) IEEE Conferences in Consumer Electronics, June 16, 2003, EE Times, Seoul, Korea, http://eetimes.com/printableArticle?doc_id=OEG2003061S0070 retrieved July 8, 2003	
	CR	YOUN, Jeongnam et al., "Video Transcoding For Multiple Clients," Proceedings of the SPIE, Bellingham, VA, vol. 4067, XP008012075, pp. 76-85, University of Washington, Sealttle, WA	
	cs	LENGWEHASATIT, Krisda et al., "Computationally Scalable Partial Distance Based Fast Search Motion Estimation," Packet Video Corp., San Diego, California	
	СТ	TAKAHASHI, Kuniaki, et al., "Motion Vector Synthesis Algorithm for MPEG2-to-MPEG4 Transcoder," Proceedings of the SPIE, Bellingham, VA, vol. 4310, Sony Corporation, XP008000078, pp. 387-882, 2001 SPIE	
	CU	SOARES, Luis Ducla, et al., "Influence of Encoder Parameters on the Decoded Video Quality for MPEG-4 Over W-CDMA Mobile Networks," NTT DoCoMo, Inc.	
	CV	AGGARWAL, Manoj et al., "Efficient Huffman Decoding," 2000 IEEE, 0-7803-6297-7, pp. 936-939, University of Illinois at Urbana-Champaign, Urbana, IL	
	CW	SHERWOOD, P. Greg et al., "Efficient Image and Channel Coding for Wireless Packet Networks," University of California, La Jolla, California	
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	CY	YIN, Peng et al., "Video Transcoding by Reducing Spatial Resolution," Princeton University, 2000, Princeton, New Jersey	

Examiner	Date	
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